Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/25/2017 11:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124247	-1	1.66	124046	1.62
Blue	F	SSC	125000	122064	-3	3.09	122346	2.87
Blue	E	FITC	23355	22458	-4	2.41	1004	10.26
Blue	D	PE	28848	28244	-3	1.94	1013	9.40
Blue	B	PerCP-Cy5-5	47791	46841	-2	3.31	1340	16.96
Blue	A	PE-Cy7	41358	40882	-2	4.90	629	34.29
Red	C	APC	51316	50722	-2	2.80	2917	9.38
Red	A	APC-Cy7	53225	52344	-2	2.82	1080	10.95
Violet	B	V450	14473	13688	-6	5.57	658	9.81
Violet	A	V500	59973	58362	-3	5.42	2595	7.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18790	5.46	606	8	N/A	N/A	Pass
Blue	F	SSC	60702	1.40	535	1	N/A	N/A	Pass
Blue	E	FITC	112	37.93	541	-3	0.0204	94	Pass
Blue	D	PE	222	28.78	537	-1	0.1851	299	Pass
Blue	B	PerCP-Cy5-5	209	45.40	627	-3	0.0101	105	Pass
Blue	A	PE-Cy7	70	115.31	678	-3	0.0129	20	Pass
Red	C	APC	340	27.27	592	-2	0.0208	59	Pass
Red	A	APC-Cy7	118	39.92	572	-4	0.0060	1772	Pass
Violet	B	V450	80	42.36	471	0	0.0463	1954	Pass
Violet	A	V500	189	23.75	503	2	0.0138	505	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.70	-31.45	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	17.20	13.27 - 19.91	N/A	N/A	31.59	32.02	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11268

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments